10/566948 JAP20 Rec'd POT/PTO 03 FEB 2006

Customer No. 22,852 Attorney Docket No. 05788.0385

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Raffaella COSTA et al.	
Application No.: Not Yet Assigned)
Filed: February 3, 2006) Group Art Unit: Not Yet Assigned)
National Stage of International Application No.) Examiner: Not Yet Assigned
PCT/EP2003/008613 under 35 U.S.C. 371)
For: INTEGRATED OPTICAL WAVEGUIDE)
STRUCTURE WITH LOW COUPLING LOSSES TO AN EXTERNAL OPTICAL FIELD)
MAIL STOP PCT	
Commissioner for Patents	
P.O. Box 1450	
Alexandria, VA 22313-1450	

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO/SB/08 and cited in the international search report. With the exception of the U.S. patents, a copy of each listed document is attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO/SB/08 and indicate that they were considered by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced application.

Also enclosed is an English-language international search report from the European Patent Office in the PCT international application, from which this national phase U.S. application is derived.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

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If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Dated: February 3, 2006

Ernest F. Chapman Reg. No. 25,961

Enclosures EFC/FPD/blc

IAP20 ROC'S POTATIO 03 FEB 2006

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IDS Form PTO/SB/08: Substitute for form 1449A/PTO	Complete if Known		
	Application Number	Not Yet Available 200746	
INFORMATION DISCLOSURE	Filing Date	February 3, 2006	
STATEMENT BY APPLICANT	First Named Inventor	Raffaella COSTA	
	Art Unit	Not Yet Available	
(Use as many sheets as necessary)	Evaminer Name	Not Yet Available	

Attorney Docket Number

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS						
	Cite	Document Number	Issue or	Name of Patentee or	Pages, Columns, Lines, Where	
Initials	No.¹	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
		US-5,078,516	01-07-1992	Thurston et al.		
		US-6,240,233	05-29-2001	Weinert et al.		
		US-6,229,947	05-08-2001	Vawter et al.		
		US-6,396,984	05-28-2002	Cho et al.		

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

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	FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		GB 2 345 980	07-26-2000	Cho et al.		
		EP 1 245 971	10-02-2002	De Mesel et al.		
		WO 02/42808	05-30-2002	Kazarinov et al.		
		WO 03/044580	05-30-2003	Little		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶	
		G. WENGER et al., "Design and Fabrication of Monolithic Optical Spot Size Transformers (MOST's) for Highly Efficient Fiber-Chip Coupling", IEEE Journal of Lightwave Technology, Vol. 12, No. 10, pp. 1782-1790, (1994).		
		I. MOERMAN et al., "A Review on Fabrication Technologies for the Monolithic Integration of Tapers with III-V Semiconductor Devices", IEEE Journal of Selected Topics In Quantum Electronics, Vol. 3, No. 6, pp. 1308-1320, (1997).		
		R.M. DE RIDDER et al., "A Spot-Size Transformer for Fiber-Chip Coupling in Sensor Application at 633 nm in Silicon Oxynitride", Proceedings LEOS '95, Vol. 2, pp. 86-87, (1995).		
		M.M. SPUEHLER et al., "A Very Short Planar Silica Spot-Size Converter Using a Nonperiodic Segmented Waveguide", IEEE Journal of Lightwave Technology, Vol. 16, No. 9, pp. 1680-1685, (1998).	·	
		T. PAATZSCH et al., "Very Low-Loss Passive Fiber-to-Chip Coupling with Tapered Fibers", Applied Optics, Vol. 36, No. 21, pp. 5129-5133, (1997).		
		K. KASAYA et al., "A Simple Laterally Tapered Waveguide for Low-Loss Coupling to Single-Mode Fibers", IEEE Photonic Technology Letters, Vol. 5, No. 3, pp. 345-347, (1993).		
		O. MITOMI et al., "Design of a Single-Mode Tapered Waveguide for Low-Loss Chip-to-Fiber Coupling", IEEE Journal of Quantum Electronics, Vol. 30, No. 8, pp. 1787-1793, (1994).		
		K. WOERHOFF et al., "Design, Tolerance Analysis, and Fabrication of Silicon Oxynitride Based Planar Optical Waveguides for Communication Devices", IEEE Journal of Lightwave Technology, Vol. 17, No. 8, pp. 1401-1407, (1999).		

Examiner	Date	
Signature	Conside	red